

10/553161

JC20 Rec'd PST/PTO 14 OCT 2005

Attorney Docket No. 05679/LH

**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

Applicant(s): Y. NAGASHIMA et al

Serial No. : National Phase of  
PCT/JP2005/004556

Filed : Herewith

For : SEMICONDUCTOR LASER  
CAPABLE OF COUPLING  
WITH SINGLE MODE  
OPTICAL FIBER AT HIGH  
COUPLING EFFICIENCY

Art Unit :

Examiner :

Express Mail Mailing Label  
No.: EV 720 477 717 US

Date of Deposit: October 14, 2005

I hereby certify that this paper is  
being deposited with the United States  
Postal Service "Express Mail Post Office  
to Addressee" service under 37 CFR 1.10  
on the date indicated above and is  
addressed to the Commissioner for  
Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450

N. Sahadeo

Nalini P. Sahadeo

In the event that this Paper is late  
filed, and the necessary petition for  
extension of time is not filed  
concurrently herewith, please consider  
this as a Petition for the requisite  
extension of time, and to the extent not  
tendered by credit card payment attached  
hereto, authorization to charge the  
extension fee, or any other fee required  
in connection with this Paper, to Account  
No. 06-1378.

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450,  
Alexandria, VA 22313-1450

S I R :

Submitted herewith are copies of the publications (except  
U.S. publications) identified on the attached Patent Office form  
PTO/SB/08A . Also enclosed is an International Search Report.

Japanese No. 9-61652 is identified on page 3 of the  
specification.

U.S. patent application Serial No. 10/692,125 (published as  
US 2004/0089866) is identified on page 4 of the specification.  
US 2004/0089866 is listed on the attached PTO/SB/08A.

European Application No. 03 025 058.3 (published as EP 1 416  
598) is identified on page 4 of the specification. A copy of EP  
1 416 598 is enclosed herewith. JP 2004-153212 (listed on the  
attached International Search Report) is a family member of  
EP 1 416 598 and US 2004/09866 A1.

10/553161

JC20 Rec'd PCT/PTO 14 OCT 2005

USP 6,333,945, USP 6,606,334 and US 2002/041613 are family

members of JP 11-243259, JP 2001-210910 and JP 2002-368341,  
respectively.

It is respectfully requested that the publications submitted  
herewith be considered and made of record.

Respectfully submitted,

Leonard Holtz  
Reg. No. 22,974

Frishauf, Holtz, Goodman & Chick, P.C.  
220 Fifth Avenue - 16th Floor  
New York, New York 10001-7708  
Tel. No. (212) 319-4900  
Fax No. (212) 319-5101  
LH:bv

JC20 Rec'd PCT/PTO 14 OCT 2005

Please type a plus sign (+) inside this box → 

PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO  INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number		10/553163	
		Filing Date		Herewith	
		First Named Inventor		NAGASHIMA	
		Group Art Unit			
		Examiner Name			
Sheet	1	of	2	Attorney Docket Number	05679/LH

## U.S. PATENT DOCUMENTS

Exam. Initials	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
		6,333,945	B1	ABE et al	12-25-2001	
		2002/0041613	A1	YOSHIDA et al	04-11-2002	
		6,606,334	B1	SHIGIHARA et al	08-12-2003	
		2004/0089866	A1	NAGASHIMA et al	05-13-2004	

## FOREIGN PATENT DOCUMENTS

Exam. Initials	Cite No <sup>1</sup>	Offc <sup>3</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
		EP	1 416 598	A2	NAGASHIMA ET AL	05-06-2004		
		JP	9-289354	A	MATSUSHITA ELECTRIC IND. CO. LTD.	11-04-1997		
		JP	8-234062	A	NIPPON TELEGRAPH AND TELEPHONE CORP.	09-13-1996		
		JP	2004-153212	A	ANRITSU CORP.	05-27-2004		
		JP	11-243259	A	DENSO CORP.	09-07-1999		
		JP	2001-210910	A	MITSUBISHI ELECTRIC COPR.	08-03-2001		
		JP	2002-368341	A	THE FURUKAWA ELECTRIC CO., LTD.	12-20-2002		
		JP	9-61652	A	OKAMOTO et al	03-07-1997	x*	

\*includes English  
abstract.

Examiner Signature	Date Considered	
-----------------------	--------------------	--

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Place a check here if English translation is attached.

DATE MAILED: October 14, 2005

Please type a plus sign (+) inside this box →



PTO/SB/08B (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	<b>10/553161</b>		
		Filing Date	HEREWITH		
		First Named Inventor	NAGASHIMA		
		Group Art Unit			
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	05679/LH

**OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Y. NAGASHIMA et al; ASYMMETRIC-CLADDING 1480-nm PUMP LASER WITH CW FIBER OUTPUT POWER OF 1 W; Optical Amplifiers and Their Applications; TOPS (2) Vol. 92 147, 2003; pp. 4-8.	
		Y. NAGASHIMA et al; NOVEL ASYMMETRIC-CLADDING 1.48- $\mu$ m PUMP LASER WITH EXTREMELY HIGH SLOPE EFFICIENCY AND CW OUTPUT POWER OF >1 W; LEOS (1); 2002; pp. 2-3.	

Examiner Signature

Date Considered

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Place a check here if English translation is attached.

DATE MAILED: October 14, 2005